



**CITY OF LODI  
COUNCIL COMMUNICATION**

**AGENDA TITLE:** Adopt a resolution approving specifications and authorizing advertisement for bids for low-voltage fuses, fuse holders and wire, and authorizing the City Manager to award the bid up to \$40,000 (EUD)

**MEETING DATE:** July 21, 2004

**PREPARED BY:** Electric Utility Director

**RECOMMENDED ACTION:** That the City Council adopt a resolution approving the specifications and authorizing advertisement for bids for various sizes of low-voltage fuses, fuse holders and wire for the Electric Utility Department, and authorizing the City Manager to award the bid up to \$40,000.

**BACKGROUND INFORMATION:** The Electric Utility Department recently changed the specifications for streetlighting systems. The new specifications require protection, in the form of fuses and new wiring, to be installed at each streetlight. The main benefit derived from fusing is the increase in safety to the general public.

Fuses will also increase the reliability of the system, especially on circuits having multiple lights, and will improve staff's ability to troubleshoot problems. The material listed below will be used to complete the first phase, and to provide materials for the second phase of the retrofit project.

<u>Fuses</u>	<u>Quantity</u>	<u>Wire</u>	<u>Quantity</u>
3A 600VAC Fast-Acting	1000 ea	#12 Black THWN	24,500 ft
5A 600VAC Fast-Acting	200 ea	#12 Red THWN	24,500 ft
7½-8A 600VAC F-Acting	100 ea	#12 Green THWN	67,500 ft
10A 600VAC Fast-Acting	50 ea	#12 White THWN	2,500 ft
15A 600VAC Fast-Acting	50 ea	#8 Black THWN	23,000 ft
20A 600VAC Fast-Acting	50 ea	#8 Red THWN	23,000 ft
30A 600VAC Fast-Acting	50 ea	#8 Green THWN	33,000 ft
		#8 White THWN	2,500 ft

**Insulating Boots**

Insulating Boot 1-line #2A0660	2000 ea
Insulating Boot 2-line #2A0661	1000 ea


**Fuse holders**

CooperBussman Holder HEB-JJ	1000 ea
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**BID OPENING** August 4, 2004

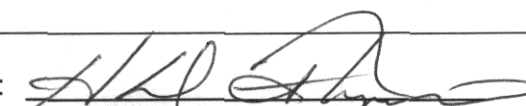
**FUNDING:** Electric Utility Department 2003-2005 Financial Plan and Budget,  
Account 161633 Estimated Cost: \$40,000

  
James R. Krueger, Finance Director

  
Alan N. Vallow, Electric Utility Director

Attachment: Specifications  
Prepared by Joel Harris, Purchasing Officer  
cc: Manager, EUD Engineering and Operations

APPROVED:

  
H. Dixon Flynn, City Manager

Equipment Specifications  
July, 2004

**I. FUSES**

600VAC, Fast-Acting

10.3mm x 38.1mm

Interrupting Rating 100,000A

UL Listed

Bussman Limitron and Littelfuse Part Numbers listed herein have been approved for use in the Lodi Electric System. Other approved equals may be offered by bidder.

<b>Rating (Amps)</b>	<b>Bussman Limitron Part No.</b>	<b>Littelfuse Part No.</b>	<b>Bid Qty</b>
3	KTK-3	KLK003	1000
5	KTK-5	KLK005	200
7.5 – 8	KTK-7.5	KLK008	100
10	KTK-10	KLK010	50
15	KTK-15	KLK015	50
20	KTK-20	KLK020	50
30	KTK-30	KLK030	50

**II. FUSE HOLDERS & INSULATING BOOTS**

CooperBussman in the sole approved manufacturer for the following items:

1. Tron® In-Line Non-Breakaway Fuseholder, **#HEB-JJ**  
Load Terminal: #12 to #3 wire size, 1 wire, copper set screw  
Line Terminal: #12 to #3 wire size, 1 wire, copper set screw

Bid Quantity: 1000

2. Insulating boot for in-line fuse holder:  
**#2A0660** Single Conductor

Bid Quantity: 2000

**#2A0661** Two Conductor

Bid Quantity: 1000

### III. WIRE

#### **#12 Stranded Copper Wire, THWN or THWN-2 insulation, delivered on 500-foot reels**

Colors: Black  
Bid Quantity: 24,500 feet

Red  
Bid Quantity: 24,500 feet

Green  
Bid Quantity: 67,500 feet

White  
Bid Quantity: 2,500 feet

#### **#8 Stranded Copper Wire, THWN or THWN-2 insulation, delivered on 500-foot reels**

Colors: Black  
Bid Quantity: 23,000 feet

Red  
Bid Quantity: 23,000 feet

Green  
Bid Quantity: 33,000 feet

White  
Bid Quantity: 2,500 feet

RESOLUTION NO. 2004-141

A RESOLUTION OF THE LODI CITY COUNCIL APPROVING  
SPECIFICATIONS AND AUTHORIZING ADVERTISEMENT FOR  
BIDS FOR LOW-VOLTAGE FUSES, FUSE HOLDERS, AND  
WIRE AND FURTHER AUTHORIZING THE CITY MANAGER  
TO AWARD THE BID UP TO \$40,000

WHEREAS, the Electric Utility Department recently changed the specifications for street lighting systems; and

WHEREAS, the new specifications require protection in the form of fuses to be installed at each streetlight; and

WHEREAS, these fuses will increase the reliability of the system, especially on circuits having multiple lights, and will improve staff's ability to troubleshoot problems. The material listed below will be used to complete the first phase and provide materials for the second phase of the retrofit project:

<u>Fuses</u>	<u>Quantity</u>	<u>Wire</u>	<u>Quantity</u>
3A 600VAC Fast-Acting	1000 ea	#12 Black THWN	24,500 ft
5A 600VAC Fast-Acting	200 ea	#12 Red THWN	24,500 ft
7½-8A 600VAC F-Acting	100 ea	#12 Green THWN	67,500 ft
10A 600VAC Fast-Acting	50 ea	#12 White THWN	2,500 ft
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30A 600VAC Fast-Acting	50 ea	#8 Green THWN	33,000 ft
		#8 White THWN	2,500 ft
<u>Insulating Boots</u>		<u>Fuse holders</u>	
Insulating Boot 1-line #2A0660	2000 ea	CooperBussman Holder HEB-JJ	1000 ea
Insulating Boot 2-line #2A0661	1000 ea		

WHEREAS, staff recommends approval of the specifications and authorizing advertisement for bids for low-voltage fuses, fuse holders, and wire and further recommends that the City Manager be authorized to award the bid up to \$40,000.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby approve the specifications and authorizes advertisement for bids for low-voltage fuses, fuse holders, and wire; and

BE IT FURTHER RESOLVED that the City Council hereby authorizes the City Manager to award the bid for low-voltage fuses, fuse holders, and wire in an amount up to \$40,000.

Dated: July 21, 2004

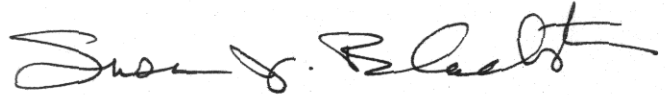
I hereby certify that Resolution No. 2004-141 was passed and adopted by the City Council of the City of Lodi in a regular meeting held July 21, 2004, by the following vote:

AYES: COUNCIL MEMBERS – Beckman, Hitchcock, Land, and Mayor Hansen

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – Howard

ABSTAIN: COUNCIL MEMBERS – None

A handwritten signature in black ink, appearing to read "Susan J. Blackston", with a stylized flourish at the end.

SUSAN J. BLACKSTON  
City Clerk